GENERAL NOTES

ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE CITY OF ROANOKE, VDOT, AND/OR THE WESTERN VIRGINIA WATER AUTHORITY, AS APPLICABLE. THE CONTRACTOR IS REQUIRED TO NOTIFY THE CITY OF ROANOKE ENGINEERING DIVISION IN WRITING AT LEAST THREE (3) DAYS PRIOR TO ANY CONSTRUCTION, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- A. INSTALLATION OF APPROVED EROSION CONTROL DEVICES.
- B. CLEARING AND GRUBBING. C. SUBGRADE EXCAVATION.
- D. INSTALLING STORM SEWERS OR CULVERTS.
- E. INSTALLING CURB AND GUTTER FORMS.
- F. PLACING CURB AND GUTTER. G. PLACING OTHER CONCRETE.
- H. PLACING GRAVEL BASE. I. PLACING ANY ROADWAY SURFACE.
- J. INSTALLING WATER LINES. K. INSTALLING SANITARY SEWER LINES.

MEASURES TO CONTROL EROSION AND SILTATION MUST BE PROVIDED FOR PRIOR TO PLAN APPROVAL. PLAN APPROVAL IN NO WAY RELIEVES THE DEVELOPER OR CONTRACTOR OF THE RESPONSIBILITIES CONTAINED IN EROSION AND SILTATION CONTROL POLICIES.

FIELD CONSTRUCTION SHALL HONOR PROPOSED DRAINAGE DIVIDES AS SHOWN ON PLANS.

CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AT

ALL SPRINGS SHALL BE CAPPED AND PIPED TO THE NEAREST STORM SEWER OR NATURAL WATERCOURSE. THE PIPE SHALL BE MINIMUM OF 6" DIAMETER AND CONFORM TO VDOT STANDARD SB-1.

CONSTRUCTION DEBRIS SHALL BE CONTAINED IN ACCORDANCE WITH THE VIRGINIA LITTER CONTROL ACT. NO LESS THAN ONE LITTER RECEPTACLE SHALL BE PROVIDED ON-SITE.

THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF CLEANING MUD FROM TRUCKS AND/OR OTHER EQUIPMENT PRIOR TO ENTERING PUBLIC STREETS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT THE STREETS ARE IN A CLEAN, MUD AND DUST FREE CONDITION AT ALL TIMES.

THE CONTRACTOR SHALL SUPPLY ALL UTILITY COMPANIES WITH COPIES OF APPROVED PLANS, ADVISING THEN THAT ALL GRADING AND INSTALLATION SHALL CONFORM TO APPROVED PLANS.

LOCATION OF UNDERGROUND UTILITIES IS BASED ON PARTIAL FIELD SURVEYS, AS SHOWN ON AVAILABLE RECORDS, AND AS LOCATED BY THE UTILITY LOCATOR SERVICE. CONTRACTORS SHALL NOTIFY UTILITIES OF PROPOSED CONSTRUCTION AT

PUBLIC UTILITIES MAY BE NOTIFIED THROUGH MISS UTILITY AT (800) 552-7001. THE SUBJECT SITE LIES WITHIN ZONE "X" OF THE ONE—HUNDRED YEAR FLOOD PLAIN AS SHOWN ON FEMA "FLOOD INSURANCE RATE MAPS".

ALL WORK SHALL BE SUBJECT TO INSPECTION BY CITY OF ROANOKE AND/OR

LEAST TWO. BUT NOT MORE THAN TEN WORKING DAYS IN ADVANCE. AREA

WVWA INSPECTORS. GRADE STAKES SHALL BE SET FOR ALL CURB AND GUTTER, CULVERT, SANITARY

THE SITE WORK AND LANDSCAPING CONTRACTOR(S) SHALL COMPLY WITH LOCAL CODES IN OBSERVING EROSION CONTROL MEASURES. BOTH ON AND OFF THE SITE. REFER TO THE VIRGINIA UNIFORM CODING SYSTEM CONTAINED IN THE VIRGINIA SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION. FOR DETAILS AND SPECIFICATIONS OF EROSION CONTROL ITEMS SHOWN ON

ALL STORM DRAIN CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE VIRGINIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.

IN THE EVENT THAT' SINKHOLE ACTIVITY OR OTHER UNFORESEEN SUBSURFACE CONDITIONS ARE FNCOUNTERED. ALL WORK IN THE AREA SHALL IMMEDIATELY CEASE. AND THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ENCOUNTERED CONDITIONS. THE DESIGN AND OR MATERIALS REQUIRED MAY BE REVISED DUE TO SITE CONDITIONS.

ALL FINISH GRADE CONTOURS AND SPOT ELEVATIONS SHOWN HEREIN ARE TO THE UPPER ELEVATION OF THE SPECIFIC ELEMENT. THE CONTRACTOR SHALL ACCOUNT FOR THE THICKNESS OF THE FINISH SURFACE (TOPSOIL, PAVEMENT, LANDSCAPE MULCH, ETC.) IN GRADING OF THE SITE.

ENGINEER'S NOTES

CALDWELL WHITE ASSOCIATES ASSUMES NO RESPONSIBILITY FOR ADEQUACY OF PLANS OR FOR INFORMATION ON PLANS UNTIL SUCH PLANS HAVE BEEN APPROVED BY THE REQUIRED PUBLIC AGENCIES.

ANY WORK COMMENCED ON A PROJECT PRIOR TO PLAN APPROVAL IS AT SOLE RISK OF THE OWNER.

CALDWELL WHITE ASSOCIATES DOES NOT GUARANTEE THE COMPLETION OR QUALITY OF PERFORMANCE OF THE CONTRACTS OR THE COMPLETION OR QUALITY OF PERFORMANCE OF CONTRACTS BY SUBCONTRACTORS OR OTHER THIRD PARTIES. EXISTING GRADE TOPOGRAPHY SHOWN HEREIN IS BASED ON CITY OF ROANOKE AERIAL TOPOGRAPGHIC MAPPING. DATED 1995 / 1996, AND PARTIAL FIELD

SURVEYS OF EXISTING UTILITY CONDITIONS BY CWA, DATED 2006/2007.

PROPERTY BOUNDARY INFORMATION SHOWN HEREIN IS TAKEN FROM A BOUNDARY SURVEY OF THE SITE BY CWA, DATED 2007. METES AND BOUNDS SHOWN FOR THE SITE REFLECT CONSOLIDATION OF PARCELS AND DEDICATION OF LANDS FOR STREET RIGHT OF WAYS. A PLAT REFLECTING THESE CONDITIONS IS BEING PREPARED BY CWA CONCURRENTLY WITH PREPARATION OF THESE PLANS. AT THE TIME OF PLAN ISSUE, THIS PLAT HAS NOT BEEN REVIEWED OR APPROVED BY THE CITY OF ROANOKE.

SEWER NOTES

A MINIMUM COVER OF THREE (3) FEET IS REQUIRED OVER PROPOSED LINES. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING ALL MANHOLES AFTER PAVING. MANHOLE TOPS SHALL BE ADJUSTED TO GRADE IF NECESSARY. SEE SHEET C-303 FOR SEWER PROFILES AND MANHOLE-RIM-ELEVATIONS AT INSTALLATION AND AT FINAL GRADE.

ALL EXISTING UTILITIES MAY NOT BE SHOWN, OR MAY NOT BE SHOWN IN THE EXACT LOCATION. THE CONTRACTOR SHALL COMPLY WITH STATE WATER WORKS

REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS. ALL SANITARY SEWER MATERIALS, FABRICATION, AND INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH WVWA STANDARDS AND SPECIFICATIONS, AND BUILDING CODE REQUIREMENTS, AS APPLICABLE.

NEW SANITARY SEWER MANHOLES SHALL BE PRE-CAST CONCRETE, AND SHALL BE EQUIPPED WITH WYWA APPROVED WATERTIGHT FRAMES AND COVERS.

NEW SANITARY SEWER PIPE, FITTINGS, CLEANOUT STACKS, ETC. SHALL BE SDR-35 UNPLASTICIZED POLYVINYL CHLORIDE (PVC), UNLESS OTHERWISE INDICATED ON THE DRAWINGS. TRAFFIC BEARING FRAMES AND COVERS SHALL BE PROVIDED AND INSTALLED ON ALL NEW EXTERIOR SANITARY SEWER CLEANOUTS.

ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHT OF WAYS SHALL BE COMPACTED ACCORDING TO CITY OF ROANOKE STANDARDS. LINES SHALL BE STAKED PRIOR TO CONSTRUCTION.

WATER NOTES

A MINIMUM COVER OF THREE (3) FEET IS REQUIRED OVER PROPOSED LINES.

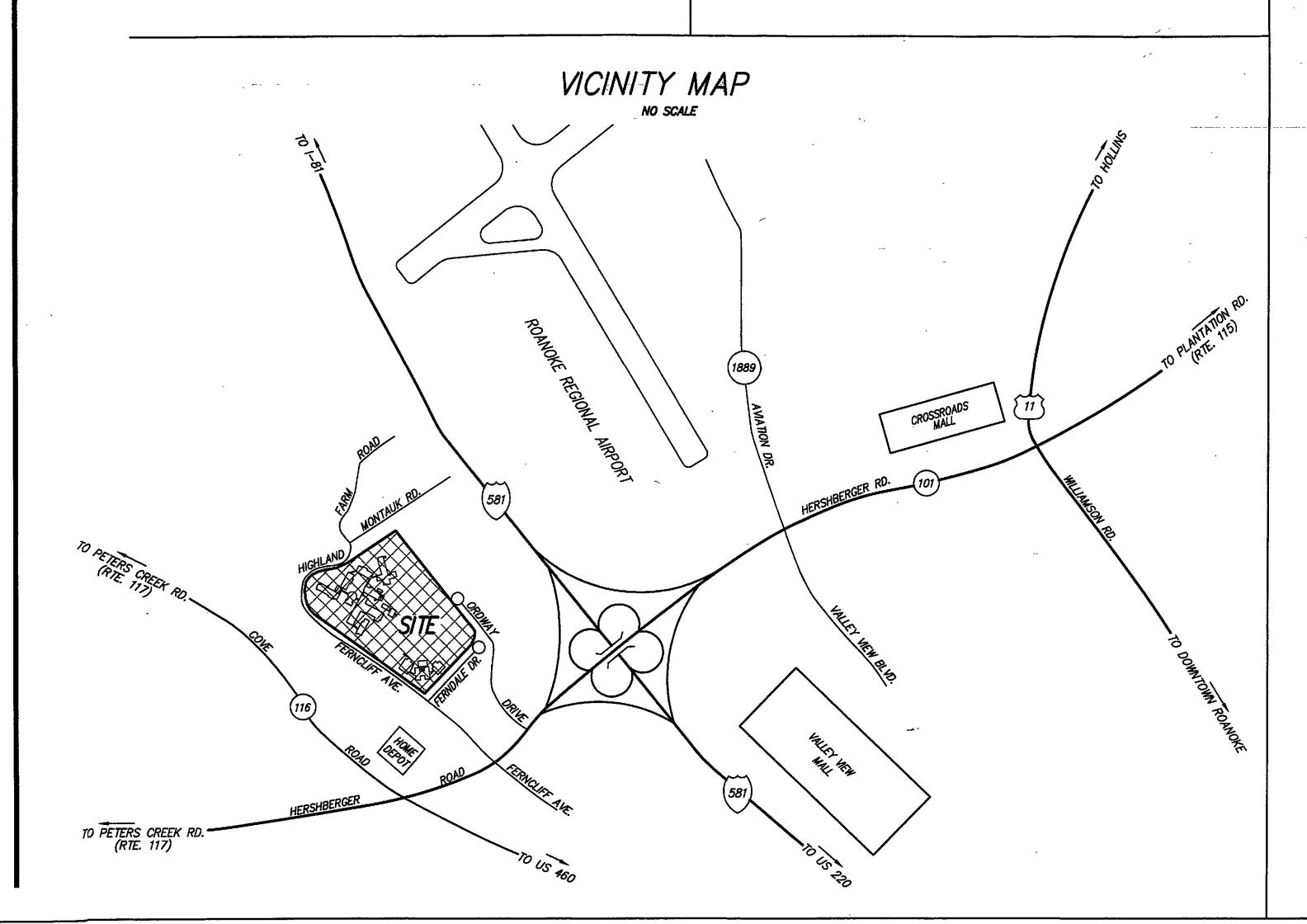
CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING VALVE VAULTS AFTER PAVING AND ADJUSTMENT TO FINAL GRADE IF NECESSARY.

ALL EXISTING UTILITIES MAY NOT BE SHOWN. OR MAY NOT BE SHOWN IN THE EXACT LOCATION. THE CONTRACTOR SHALL COMPLY WITH STATE WATER WORKS REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS.

ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHT OF WAYS SHALL BE COMPACTED ACCORDING TO CITY OF ROANOKE STANDARDS.

LINES SHALL BE STAKED PRIOR TO CONSTRUCTION.

WATER MAIN SHALL BE MINIMUM CLASS 52 DUCTILE IRON IN ACCORDANCE WITH AWWA C151 OR DR-14 PVC IN ACCORDANCE WITH C-900. ______ CLASS 350 DUCTILE IRON WATER PIPE IS ACCEPTABLE FOR PUBLIC AND PRIVATE LINES, ASSUMING MANUFACTURER'S PRESSURE RATING IS CONSISTENT WITH TEST AND SERVICE PRESSURES ANTICIPATED FOR THE APPLICABLE PIPE RUNS. MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND WESTERN VIRGINIA WATER AUTHORITY STANDARDS AND SPECIFICATIONS PERTAINING THERETO.



STANDARD CITY OF ROANOKE CONSTRUCTION PROCEDURE REQUIREMENTS

RIGHT OF WAY EXCAVATION PERMIT: PRIOR TO THE COMMENCEMENT OF ANY DIGGING, ALTERATION, OR CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY (STREETS, ALLEYS, PUBLIC EASEMENTS) A RIGHT OF WAY EXCAVATION PERMIT SHALL BE APPLIED FOR AND OBTAINED BY THE CONTRACTOR FROM THE CITY OF ROANOKE.

LAND DISTURBING PERMIT: AN APPROVED EROSION AND SEDIMENT CONTROL PLAN FOR ANY BORROW / FILL SITES ASSOCIATED WITH THE PROJECT MUST BE SUBMITTED PRIOR TO ISSUANCE OF A LAND DISTURBING PERMIT.

PLANS AND PERMITS: A COPY OF THE PLANS AS APPROVED BY THE CITY (SIGNED BY THE PROPER CITY OFFICIALS) AND ALL PERMITS ISSUED BY THE CITY SHALL BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES OF ONGOING CONSTRUCTION.

LOCATION OF UTILITIES: THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING

UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. CONSTRUCTION ENTRANCE: THE CONTRACTOR SHALL INSTALL AN ADEQUATE CONSTRUCTION ENTRANCE FOR ALL CONSTRUCTION RELATED EGRESS FROM THE SITE. THE

SIZE AND COMPOSITION OF THE CONSTRUCTION ENTRANCE SHALL BE AS SHOWN WITHIN STREETS TO REMAIN CLEAN: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO

ENSURE THAT THE PUBLIC STREET ADJACENT TO THE CONSTRUCTION ENTRANCE REMAINS FREE OF MUD, DIRT, DUST, AND/OR ANY TYPE OF CONSTRUCTION MATERIALS OR LITTER

BARRICADES/DITCHES: THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL EXCAVATED DITCHES AND SHALL FURNISH AND ENSURE THAT ALL BARRICADES PROPER AND NECESSARY FOR THE SAFETY OF THE PUBLIC ARE IN PLACE.

SEWER AND PAVEMENT REPLACEMENT: CONSTRUCTION OF SANITARY SEWERS AND THE REPLACEMENT OF PAVEMENT SHALL BE IN ACCORDANCE WITH APPROVED STANDARDS AND SPECIFICATIONS OF THE CITY OF ROANOKE AND THE WESTERN VIRGINIA WATER

APPROVED-PLANS-/-CONSTRUCTION CHANGES: ANY CHANGE OR VARIATION FROM CONSTRUCTION DESIGN AS SHOWN ON THE OFFICIALLY APPROVED PLANS SHALL BE APPROVED BY THE EROSION AND SEDIMENT CONTROL AGENT PRIOR TO SAID CHANGES OR VARIATIONS IN CONSTRUCTION BEING MADE.

FINAL ACCEPTANCE/CITY: THE OWNER OR DEVELOPER SHALL FURNISH THE CITY OF ROANOKE DEPARTMENT OF PLANNING. BUILDING. AND DEVELOPMENT WITH A FINAL CORRECT SET OF AS-BUILT PLANS PRIOR TO FINAL ACCEPTANCE BY THE CITY.

NOTICE: ALL LANDOWNERS, DEVELOPERS, AND CONTRACTORS FAILURE TO COMPLY WITH THE CONSTRUCTION PROCEDURE REQUIREMENTS LISTED ABOVE MAY RESULT IN THE COSTLY REMOVAL OF STRUCTURES, TIME DELAYS, OR THE ISSUANCE OF A STOP WORK ORDER.

TESTING AND CONSTRUCTION REQUIREMENTS FOR WORK WITHIN THE PUBLIC RIGHT OF WAY

ALL WORK WITHIN THE RIGHT OF WAY OF FERNCLIFF AVENUE, NW SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE CITY OF ROANOKE DEPT. OF PUBLIC

TESTING OF SOILS AND PAVEMENT SECTIONS SHALL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY. ALL TESTING SERVICES WILL BE SECURED BY THE OWNER. THE CONTRACTOR SHALL COORDINATE CLOSELY WITH THE OWNER AND THE TESTING AGENCY FOR SCHEDULING OF TESTS AND PRESENTATION OF TEST RESULTS AS REQUIRED HEREIN.

THE PAVEMENT SECTIONS SHOWN HEREIN ARE BASED ON A SUBGRADE RATING OF CBR=10.0 OR GREATER. A MINIMUM OF THREE (3) CBR TESTS SHALL BE PERFORMED FOR THE SUBGRADE SOILS. TESTS SHALL BE PERFORMED AT INTERVALS NOT TO EXCEED 500 LINEAR FEET ALONG THE FERNCLIFF AVENUE FRONTAGE. THE CBR RESULTS ARE TO BE SUBMITTED TO THE DESIGN ENGINEER AND THE CITY OF ROANOKE TRAFFIC ENGINEER PRIOR TO PAVEMENT CONSTRUCTION. SHOULD THE CBR VALUES BE LESS THAN CBR 10.0. A RÉVISED PAVEMENT SECTION MAY BE WARRANTED.

COMPACTION TESTING SHALL BE PERFORMED ON ALL EARTHWORK LIFTS AND ALL PAVEMENT COURSES. COMPACTION TESTING FREQUENCY AND METHODS SHALL BE IN ACCORDANCE WITH VDOT POLICIES FOR SECONDARY REMEDIAL STREET CONSTRUCTION. ALL TEST RESULTS SHALL BE SUBMITTED TO THE DESIGN ENGINEER AND THE CITY OF ROANOKE TRAFFIC ENGINEER, TO INSURE COMPLIANCE WITH COMPACTION REQUIREMENTS OF THE PROJECT MANUAL. munimum minimum menter and the second menter

DEMOLITION NOTES

DEMOLITION SHALL INCLUDE, UNLESS OTHERWISE NOTED ON DRAWINGS, REMOVAL OF EXISTING OBJECTS OR IMPROVEMENTS. WHETHER INDICATED ON THE DRAWINGS OR NOT. THAT WOULD IN THE OPINION OF THE OWNER, PREVENT OR INTERFERE WITH THE PROGRESS OR COMPLETION OF THE PROPOSED WORK.

PERMITS, FEES AND LICENSES SHALL BE SECURED AND PAID FOR BY THE CONTRACTOR, INCLUDING DISPOSAL CHARGES AS REQUIRED. WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE GOVERNING AUTHORITIES IN DEMOLITION OF EXISTING PAVEMENT. CURBS AND GUTTERS. DRAINAGE

STRUCTURES AND UTILITIES AS MAY BE REQUIRED. CONTRACTOR SHALL SAW-CUT ALL JOINTS WHERE EXISTING CURBING, PAVEMENT AND SIDEWALK IS TO BE DEMOLISHED AND NEW CONSTRUCTION JOINS THE EXISTING. ALL EXISTING CURBING, CONCRETE SIDEWALK, ENTRANCES, BUILDING FOUNDATIONS AND TREES AND BRUSH THAT ARE DEMOLISHED SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR, BUILDING DEBRIS, ETC. SHALL NOT BE USED AS FILL MATERIAL ON THE SITE.

UNLESS OTHERWISE DIRECTED IN WRITING BY THE PROJECT MANAGER OR OWNER, ALL EXISTING PIPELINE UTILITIES 4" DIAMETER AND LARGER SHALL BE REMOVED IN THEIR ENTIRETY, WITH THE VOID BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE PROJECT MANUAL.

ALL EXISTING UTILITY LINES THAT ARE TAKEN OUT OF SERVICE SHALL BE REMOVED IN THEIR ENTIRETY IF THEY WILL LIE WITHIN THREE FEET (3') OF FINAL GROUND SURFACE. WHERE GRAVITY PIPE UTILITIES ARE SHOWN TO BE ABANDONED. WITH THE LOWER JUNCTION (MANHOLE) TO REMAIN, THE CONTRACTOR SHALL REMOVE A MINIMUM OF TWO JOINT'S OF THE INFLOW PIPE, AND PLUG AND SEAL THE REMAINING PIPE(S) SHOWN TO BE ABANDONED. THE ENTIRE PIPE SHALL BE THEN FILLED WITH FLOWABLE FILL FROM THE UPPER-MOST PORTION TO BE ABANDONED. THE OPENING IN THE LOWER JUNCTION SHALL BE SEALED WITH BRICK AND MORTAR, PROVIDING A WATER-TIGHT PATCH. INSTALL NON-SHRINK GROUT AS REQUIRED TO PROVIDE THIS SEAL.

CONTRACTOR SHALL PROVIDE THE FOLLOWING PROTECTIONS AT THE JOB SITE: MAKE ARRANGEMENTS, BEFORE INITIATING DEMOLITION, FOR RELOCATING, DISCONNECTION, REROUTING, ABANDONING, OR SIMILAR ACTION AS MAY BE REQUIRED RELATIVE TO UTILITIES AND OTHER UNDERGROUND PIPING, TO PERMIT WORK TO PROCEED WITHOUT DELAY, ARRANGEMENTS SHALL BE MADE IN ACCORDANCE WITH REGULATIONS OF AUTHORITIES OF UTILITIES MENTIONED, SUCH AS OVERHEAD / UNDERGROUND POWER AND TELECOMMUNICATION LINES AND EQUIPMENT, GAS PIPING, STORM SEWERS, SANITARY SEWERS, OR WATER PIPING. CONTRACTOR SHALL NOT USE WATER WHEN IT MAY CREATE HAZARDOUS OR OBJECTIONABLE CONDITIONS SUCH AS ICE, FLOODING AND/ OR POLLUTION.

ENSURE SAFE PASSAGE OF PERSONS AROUND ALL AREAS OF DEMOLITION. CONDUCT OPERATIONS TO PREVENT DAMAGE TO ADJACENT BUILDINGS. STRUCTURES, OTHER FACILITIES, OR INJURY TO PERSONS.

PROMPTLY REPAIR DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION OPERATIONS AT NO COST TO THE OWNER.

MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN. KEEP IN SERVICE. AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. PREVENT INTERRUPTION OF EXISTING UTILITIES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES AS ACCEPTABLE TO GOVERNING AUTHORITIES.

USE WATER SPRINKLING AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING IN AIR TO LOWEST PRACTICAL LEVEL. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL

CONDITIONS EXISTING PRIOR TO THE START OF WORK, OR BETTER.

CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO

SHEET INDEX ·SHEET # ------ CIVIL NOTES AND LEGEND COMPOSITE SITE MAP AND CONSTRUCTION LIMITS EXISTING CONDITIONS AND DEMOLITION PLAN ----- DIMENSIONAL LAYOUT PLAN DIMENSIONAL LAYOUT PLAN ----- DIMENSIONAL LAYOUT PLAN ------ DIMENSIONAL LAYOUT PLAN C-122 SOIL EROSION CONTROL PLAN ----- GRADING AND STORM DRAINAGE PLAN ---- GRADING AND STORM DRAINAGE PLAN ----- GRADING AND STORM DRAINAGE PLAN C-141 SITE UTILITIES PLAN C-142 SITE UTILITIES PLAN C-143 SITE UTILITIES PLAN C-301 — PROFILES - NEW STORM DRAIN - NEW BUILDING AND PARKING LOT DETAILS — SOIL EROSION AND SEDIMENT CONTROL C-401 — DETAILS - SITE CONSTRUCTION C-402 — DETAILS - WATERLINE CONSTRUCTION C-403 — DETAILS - SANITARY SEWER CONSTRUCTION _____ C-500 ----- MAINTENANCE OF TRAFFIC PLAN & NEW STRIPING PLAN-FERNCLIFF AVENUE

ANY VARIATION FROM APPROVED PLANS MUST BE APPROVED BY THE CITY OF ROANOKE

CYMBOLC

LEGEND

	ABBREVIATIONS					
				EXISTING	NEW	NEW
AHFH	ARROW HEAD TOP OF	MIN	MINIMUM	100.5	100.5	SPOT ELEVATION
	FIRE HYDRANT	MON	MONUMENT	100		CONTOURS
APPROX ASPH	APPROXIMATE ASPHALT	NBL PCC	NORTH BOUND LANE PORTLAND CEMENT CONCRETE	===8"SS===	8*SS	SANITARY SEWER LINE
BC	BOTTOM OF CURB (AT FINISH GRADE)	PROP	PROPOSED	4"W	4"W	WATERLINE .
BIT	BITUMINOUS	PUE	Public Utility Easement	===8"SD===		STORM DRAIN
BLDG	BUILDING		~ PAVEMENT		_	+
BLK	BLOCK -	R	RADIUS	——2"G ——	—— 2 ⁻ G——	GAS LINE
BM	BENCHMARK	RT __	RIGHT	— Е —	—— E ——	OVERHEAD ELECTRIC LINE
BW	BOTTOM OF WALL (AT FINISH GRADE)	R/W	RIGHT OF WAY			OVERNIEAD ELECTRIC LINE
CB	CINDER BLOCK	REQD	REQUIRED	<u> — т — </u>	—— <i>T</i> ——	Overhead Telephone Line
C&G	CURB & GUTTER	RR	RAILROAD	CATV	CATV	OVERHEAD CABLE TELEVISION LINE
CMP	CORRUGATED METAL PIPE	RYS	REAR YARD SETBACK	· OAIV	OA77	
CONC	CONCRETE	SAN	SANITARY/	UE UT	— <i>UE</i> —— <i>UT</i> —	Underground tel or elec line
COR	CORNER	SBL	SOUTH BOUND LANE	SMSM	SMSW	STEAM SUPPLY OR RETURN LINES
DBL	DOUBLE	- 50	STORM, DRAIN			THE THE PERSON WITH THE PERSON
DEFL	DEFLECTION	SECT	SECTION	M	I M	WATER OR GAS METER
DI DIA	DROP INLET	SE C	SLOPE EASEMENT			VALVE
DIA DE	DIAMETER	SM SS	STEAM STUES	1	·	
ue. EBL	DRAINAGE EASEMENT EAST BOUND LINE	SSE	SANITARY SEWER SANITARY SEWER EASEMENT			FIRE HYDRANT
ELEC	EAST BOUND LINE ELECTRIC	STA	STATION	∞<		MANHOLE
ELEV	ELEVATION	STD	STANDARD			
ENTR	ENTRANCE	570	STORAGE	O C.O.	<u> </u>	CLEANOUT
ENIK EP	EDGE OF PAVEMENT	SYS	SIDE YARD SETBACK			DROP INLET (CURB OR GRATE)
EW	ENDWALL	TBM	TEMPORARY BENCHMARK		, 🗭	,
EXIST	EXISTING	TC	TOP OF CURB	• "	•	UTILITY POLE, GUY & ANCHOR
FDN	FOUNDATION	TEL	TELEPHONE			DITCH OR SWALE
FF.	FINISHED FLOOR	TRANS	TRANSFORMER	ф B	е	0017001115 00 04001115
FG	FINISH GRADE	TW	TOP OF WALL		—— <u>4</u> ——————————————————————————————————	CENTERLINE OR BASELINE
FO	FIBER OPTIC LINE	TYP	TYPICAL			PROPERTY LINE
. •	(CFO = COX FIBER OPTIC)	VDOT	VIRGINIA DEPARTMENT OF	A	A	SURVEY TRAVERSE POINT
	(NFO = NTELOS FIBER OPTIC)		TRANSPORTATION		△	SURVET TRAVERSE PUINT
	(VFO = VERIZON FIBER OPTIC)	VERT	VERTICAL	OF Y.L.	📫 Y.L.	YARD LIGHTING
HPT	HIGH POINT	WBL,	WEST BOUND LANE	,	•	DC-10/11/4 DIA
INV	INVERT	WVWA	Western Virginia Water Authority	•	P .	BENCHMARK
IP .	IRON PIN	YD	YARD	x o x	o x	FENCELINES
LT	LEFT					
MBL	MINIMUM BUILDING LINE		,	\mathcal{C}		TREE LINE
MH	MANHOLE		•	ı	<u>ę</u> ,	HANDICAPPED SPACE
		,		'		IMMUNONIFED SENSE

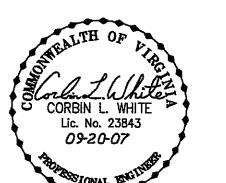
NAME OF DEVELOPMENT	RECONSTRUCTION PLANS WILLIAM FLEMING HIGH SCHOOL
LOCATION	3649 FERNCLIFF AVENUE, N.W. CITY OF ROANOKE, VIRGINIA
DEVELOPER	ROANOKE CITY PUBLIC SCHOOLS 40 DOUGLASS AVENUE, N.W. ROANOKE, VA 24012 ATTN: MS. DEBBIE DANIEL — CONSTRUCTION SUPERVISOR (540) 777—0514
OWNER	(SAME AS OWNER)
CITY OF ROANOR	KE TAX PARCEL TAX PARCELS 6460102, 6460103, 6472207, 6472208, 6472209

THIS PROJECT IS CURRENTLY OUT TO BID. THE SUCCESSFUL BIDDER SHALL NAME ONE PERSON RESPONSIBLE FOR ALL LAND DISTURBANCE
ACTIVITIES AND EROSION CONTROL MEASURES. THE PERSON NAMED SHALL HOLD A VALID "RESPONSIBLE LAND DISTURBER CERTIFICATE"
UNDER THE GENERAL ASSEMBLY REVISIONS TO THE VIRGINIA EROSION & SEDIMENT CONTROL LAW AS REVISED JULY 01, 2001. THE PERSON
NAMED WILL BE IN CHARGE OF AND RESPONSIBLE FOR CARRYING OUT ALL EROSION CONTROL MEASURES. THE PERSON NAMED SHALL
AFFIX SIGNED AND PRINTED NAME TO ONE COPY OF THIS SHEET AND SUBMIT TO THE CITY OF ROANOKE PLANNING DEPARTMENT. THE
APPROVING AUTHORITIES WILL NOT ISSUE A LAND DISTURBING PERMIT UNTIL THIS NAME HAS BEEN PROVIDED TO SAID DEPARTMENT.

COMPANY NAME PRINTED NAME CONTACT ADDRESS RESPONSIBLE LAND DISTURBER CERTIFICATE NUMBER

CWA W.O.: 06-0089

TELEPHONE



EXPIRATION DATE

RESPONSIBLE LAND DISTURBER CERTIFICATION

MCWA CALDWELL WHITE ASSOCIATES

ENGINEERS / SURVEYORS / PLANNERS 4203 MELROSE AVENUE, N.W. P.O. BOX 6260 ROANOKE, VIRGINIA 24017-0260

(540) 366-3400 FAX: (540) 366-8702 NB: Roanoke City Schools PERKINS + WILL

> 382 Peachtree St. NE Atlanta, GA 30309 t 404.873.2300 f: 404.892.5823 www.perkinswill.com

Rife + Wood
A R C H I T E C T S

1326 Grandin Road Roenokz, Virginia 24015
(540) 344-6015 fzc: (540) 344-5982

4203 Melrose Avenue Rognoke, Virginia 2401 540-366-3400 (p) 540-366-8702 (f) Faceson & Associates Food Service Consultant

Charlotte, North Carolina 28227 704-536-9234 (p) 704-535-4020 (f) **Lawrence Perry & Associate** lechanical & Electrical Consultants 30A West Church Avenue Roanoke, Virginia 24011

> R.A. Meador **Landecape Consultant** Hardy, Virginia 24101 540-890-4533 (p)

540-342-1816 (p) 540-344-3410 (f)

ewart Acquetical Concultants Raleigh, North Carolina 27607 919-858-0899 (p) 919-858-0878 (f)

Uzun & Case Engineers Structural Consultant
1180 West Peachtree Street - Suite 120 Atlanta, Georgia 30309 678-553-5200 (p) 678-553-5270 (f)

WILLIAM FLEMING HIGH SCHOOL

School Site Project No. 124-40A Literary Loan No. 11255

2> PER 2nd CITY REVIEW 09/20/07

PER CITY and ADDEN. 2 08/13/07 NUMBER ISSUE

Copyright © 2007 PERKINS + WILL

Sheet Information May 15, 2007 Job Number 800372.000 As Shown Drawn C.L. White Checked

CIVIL NOTES

Approved

AND LEGEND

C-000

ISSUED FOR CONSTRUCTION